

Amendments to the Abstract:

Please amend the Abstract as shown below:

ABSTRACT OF THE DISCLOSURE

Temperature of a heater is controlled by switching an increasing rate of a resistance value of a heating unit of the heater. During a period T1 from a time point when heating of the heater is started until the resistance value of the heating unit reaches a reference value, the increasing rate is changed in multiple heating stages. In this manner, the temperature and the resistance value of the heating unit are increased.

During a period T2 from a time point when the resistance value of the heating unit reaches the reference value, feedback control is performed such that the resistance value is kept at the reference value as a target value.